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September 28, 2016

VIA ELECTRONIC FILING

The Honorable Jocelyn G. Boyd
Chief Clerk/Administrator
Public Service Commission of South Carolina
101 Executive Center Drive, Suite 100
Columbia, South Carolina 29210

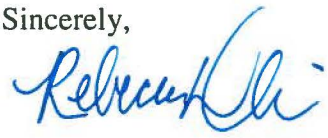
Re: **Duke Energy Progress, LLC – Monthly Fuel Report**
Docket No. 2006-176-E

Dear Mrs. Boyd:

Pursuant to the Commission's Orders in Docket No. 1977-354-E, enclosed for filing is the Monthly Fuel Report in Docket No. 2006-176-E for the month of August 2016.

Should you have any questions regarding this matter, please do not hesitate to contact me at 704-382-4499.

Sincerely,



Rebecca J. Dulin

Enclosure

cc: Ms. Dawn Hipp, Office of Regulatory Staff
Mr. Jeffrey M. Nelson, Office of Regulatory Staff
Ms. Shannon Bowyer Hudson, Office of Regulatory Staff
Ms. Nanette Edwards, Office of Regulatory Staff
Michael Seaman-Huynh, Office of Regulatory Staff
Ms. Heather Shirley Smith, Duke Energy
Mr. Scott Elliott, Elliott & Elliott, P.A.
Mr. Garrett Stone, Brickfield, Burchette, Ritts & Stone, PC
Mr. Gary Walsh, Walsh Consulting, LLC

Duke Energy Progress
Summary of Monthly Fuel Report

Schedule 1

Line No.	Item	August 2016
1	Fuel and Fuel-related Costs excluding DERP incremental costs	$ 173,261,015
	MWH sales:	7,051,386
2	Total System Sales	473,466
3	Less intersystem sales	
4	Total sales less intersystem sales	6,577,920
5	Total fuel and fuel-related costs (¢/KWH) (Line 1/Line 4)	2.6340
6	Current fuel & fuel-related cost component (¢/KWH) (per Schedule 4)	2.3521
	Generation Mix (MWH):	
	Fossil (By Primary Fuel Type)	
7	Coal	1,790,158
8	Oil	3,753
9	Natural Gas • Combustion Turbine	350,212
10	Natural Gas • Combined Cycle	1,843,341
11	Total Fossil	3,987,464
12	Nuclear	2,489,120
13	Hydro • Conventional	32,479
14	Solar Distributed Generation	25,948
15	Total MWH generation	6,535,011

Note: Detail amounts may not add to totals shown due to rounding.

Schedule 2

Duke Energy Progress
Details of Fuel and Fuel-Related Costs

Description		August 2016
Fuel and Fuel-Related Costs:		
Steam Generation - Account 501		
0456949 coal blending merger savings	$	(487,315)
0501016 coal procurement merger savings		1,272,888
0501110 coal consumed - steam		59,977,291
0501310 fuel oil consumed - steam		424,130
Total Steam Generation - Account 501		61,186,994
Nuclear Generation - Account 518		
0518100 burnup of owned fuel		16,749,397
0518500 nuclear fuel savings		-
0518600 - Disposal Cost		-
Total Nuclear Generation - Account 518		16,749,397
Other Generation - Account 547		
0547000 natural gas consumed - Combustion Turbine		14,454,668
0547000 natural gas consumed - Combined Cycle		50,099,476
0547123 gas capacity merger savings		(69,251)
0547200 fuel oil consumed		84,960
Total Other Generation - Account 547		64,569,853
Purchased Power and Net Interchange - Account 555		40,620,359
Less fuel and fuel-related costs recovered through intersystem sales - Account 447		12,824,776
Total Costs Included in Base Fuel Component	$	170,301,827
Environmental Costs		
0509030, 0509212, 0557451 emission allowance expense	$	14,791
0502020, 0502030, 0502040, 0502080, 0502090, 0548020 reagents expense		3,176,987
0502160 reagent procurement merger savings		18,415
Emission Allowance Gains		-
Less reagents expense recovered through intersystem sales - Account 447		198,740
Less emissions expense recovered through intersystem sales - Account 447		52,264
Total Costs Included in Environmental Component		2,959,188
Fuel and Fuel-related Costs excluding DERP incremental costs	$	173,261,015
DERP Incremental Costs		94,254
Total Fuel and Fuel-related Costs	$	173,355,269

Notes: Detail amounts may not add to totals shown due to rounding.

DUKE ENERGY PROGRESS
PURCHASED POWER AND INTERCHANGE
SOUTH CAROLINA

AUGUST 2016

Purchased Power	Total	Capacity		Non-capacity		
Marketers, Utilities, Other	$	mW	$	mWh	Fuel $	Non-fuel $
DE Carolinas - Emergency	$ 40,000	-	-	400	$ 24,400	$ 15,600
Broad River Energy, LLC.	16,540,278	837	$ 10,722,607	117,911	5,817,671	-
City of Fayetteville	3,110,225	220	3,016,750	1,440	93,475	-
Haywood EMC	29,650	7	29,650	-	-	-
NCEMC	8,068,791	513	5,620,186	60,394	2,448,605	-
PJM Interconnection, LLC.	72	-	-	-	72	-
Smurfit Stone Container Corp	21,175	-	-	676	21,175	-
Southern Company Services	4,951,205	150	1,621,620	108,235	3,329,585	-
DE Carolinas - Native Load Transfer	3,521,915	-	-	137,978	3,434,053	87,862
DE Carolinas - Native Load Transfer Benefit	80,480	-	-	-	80,480	-
Generation Imbalance	31,259			1,213	29,531	1,728
	36,395,050	1,727	$ 21,010,813	428,247	$ 15,279,047	$ 105,190
Act 236 PURPA Purchases						
Renewable Energy	$ 20,059,642	-	-	278,683	$ 20,235,257	$ (175,615)
Other Qualifying Facilities	5,106,055	-	-	68,313	5,106,055	-
	25,165,697	-	$ -	346,996	$ 25,341,312	$ (175,615)
Total Purchased Power	$ 61,560,747	1,727	$ 21,010,813	775,243	$ 40,620,359	$ (70,425)

NOTE: Detail amounts may not add to totals shown due to rounding.

DUKE ENERGY PROGRESS
INTERSYSTEM SALES*
SOUTH CAROLINA

AUGUST 2016

Sales	Total $	Capacity mW	Capacity $	Non-capacity mWh	Non-capacity Fuel $	Non-capacity Non-fuel $
Utilities:						
SC Electric & Gas - Emergency	$ 371	-	-	-	-	$ 371
SC Public Service Authority - Emergency	11,511	-	-	265	$ 7,920	3,591
Market Based:						
NCEMC Purchase Power Agreement	1,040,155	150	$ 652,500	11,307	329,946	57,709
PJM Interconnection, LLC.	596,015	-	-	10,741	395,744	200,271
Other:						
DE Carolinas - Native Load Transfer Benefit	335,503	-	-	-	335,503	-
DE Carolinas - Native Load Transfer	13,067,260	-	-	451,066	12,004,727	1,062,533
Generation Imbalance	(1,110)	-	-	87	1,941	(3,051)
Total Intersystem Sales	**$ 15,049,705**	**150**	**$ 652,500**	**473,466**	**$ 13,075,781**	**$ 1,321,424**

* Sales for resale other than native load priority.

NOTE: Detail amounts may not add to totals shown due to rounding.

Duke Energy Progress
Over / (Under) Recovery of Fuel Costs
August 2016

Line No.			Total Residential	General Service Non-Demand	Demand	Lighting	Total
1	Actual System kWh sales	Input					6,577,919,585
2	DERP Net Metered kWh generation	Input					17,475
3	Adjusted System kWh sales	L1 + L2					6,577,937,060
4	Actual S.C. Retail kWh sales	Input	229,969,705	33,932,362	409,983,375	8,001,609	681,887,051
5	DERP Net Metered kWh generation	Input	14,721	2,754	-		17,475
6	Adjusted S.C. Retail kWh sales	L4 + L5	229,984,426	33,935,116	409,983,375	8,001,609	681,904,526
7	Actual S.C. Demand units (kw)	L32 / 31b * 100			760,483		
Base fuel component of recovery - non-capacity							
8	Incurred System base fuel - non-capacity expense	Input					$164,512,145
9	Eliminate avoided fuel benefit of S.C. net metering	Input					$575
10	Adjusted Incurred System base fuel - non-capacity expense	L8 + L9					$164,512,720
11	Adjusted Incurred System base fuel - non-capacity rate (¢/kWh)	L10 / L3 * 100					2.501
12	S.C. Retail portion of adjusted incurred system expense	L6 * L11 / 100	$5,751,859	$848,710	$10,253,592	$200,118	$17,054,279
13	Assign 100 % of Avoided Fuel Benefit of S.C net metering	Input	($339)	($33)	($204)	$0	($575)
14	S.C. Retail portion of incurred system expense	L12 + L13	$5,751,520	$848,677	$10,253,388	$200,118	$17,053,704
15	Billed base fuel - non-capacity rate (¢/kWh) - Note 1	Input	2.229	2.229	2.229	2.229	2.229
16	Billed base fuel - non-capacity revenue	L4 * L15 / 100	$5,126,447	$756,352	$9,138,529	$178,356	$15,199,684
17	DERP NEM incentive - fuel component	Input	($80)	($8)	($48)	$0	($136)
18	Adjusted S.C. billed base fuel - non-capacity revenue	L16 + L17	$5,126,367	$756,345	$9,138,481	$178,356	$15,199,548
19	S.C. base fuel - non-capacity over/(under) recovery	L18 - L14	($625,154)	($92,333)	($1,114,907)	($21,762)	($1,854,156)
20	Adjustment - Docket 2016-1-E	Input	$0	$0	$0	$0	$0
21	Total S.C. base fuel - non-capacity over/(under) recovery	L19 + L20	($625,154)	($92,333)	($1,114,907)	($21,762)	($1,854,156)
Base fuel component of recovery - capacity							
22a	Incurred base fuel - capacity rates by class (¢/kWh)	L23 / L4 * 100	0.154	0.101			
22b	Incurred base fuel - capacity rate (¢/kW)	L23 / L9 * 100			28		
23	Incurred S.C. base fuel - capacity expense	Input	$353,454	$34,229	$212,493		$600,176
24a	Billed base fuel - capacity rates by class (¢/kWh)	Input	0.181	0.128			
24b	Billed base fuel - capacity rate (¢/kW)	Input			30		
25	Billed S.C. base fuel - capacity revenue	L24a * L4 / 100	$415,411	$43,433	$ 228,177	$0	$687,021
26	S.C. base fuel - capacity over/(under) recovery	L25 - L23	$61,957	$9,204	$15,684	$0	$86,845
27	Adjustment - Docket 2016-1-E	Input					$0
28	Total S.C. base fuel - capacity over/(under) recovery	L26 + L27	$61,957	$9,204	$15,684	$0	$86,845
Environmental component of recovery							
29a	Incurred environmental rates by class (¢/kWh)	L30 / L4 * 100	0.079	0.052			
29b	Incurred environmental rate (¢/kW)	L30 / L7 * 100			14		
30	Incurred S.C. environmental expense	Input	$180,656	$17,495	$108,608		$306,759
31a	Billed environmental rates by class (¢/kWh)	Input	0.042	0.031			
31b	Billed environmental rate (¢/kW)	Input			6		
32	Billed S.C. environmental revenue	L31a * L4 / 100	$95,864	$10,519	$ 45,629		$152,012
33	S.C. environmental over/(under) recovery	L32 - L30	($84,792)	($6,976)	$ (62,979)	$0	($154,747)
34	Adjustment - Docket 2016-1-E	Input					$0
35	Total S.C. environmental over/(under) recovery	L33 + L34	($84,792)	($6,976)	($62,979)	$0	($154,747)
36	Total over / (under) recovery	L21 + L28 + L35	($647,989)	($90,105)	($1,162,202)	($21,762)	($1,922,058)

Duke Energy Progress
Over / (Under) Recovery of Fuel Costs
August 2016

Schedule 4
Page 2 of 2

Year 2016-2017

Cumulative over / (under) recovery	Cumulative	Total Residential	General Service Non-Demand	Demand	Lighting	Subtotal	Prior Period Adjustments	Total
Balance ending February 2016	(8,178,450)							
March 2016 - actual	(5,113,937)	$1,257,169	$149,823	$1,614,366	$43,155	$3,064,513	$0	$3,064,513
/2 April 2016 - actual	(2,862,055)	$579,097	$91,208	$1,546,143	$35,434	$2,251,882	$0	$2,251,882
May 2016 - actual	(2,055,487)	$166,326	$33,470	$597,607	$9,165	$806,568	$0	$806,568
/2 June 2016 - actual	(1,637,768)	$134,334	$21,348	$171,533	$18,077	$345,292	$72,427	$417,719
July 2016 - actual	(4,666,718)	($1,099,935)	($153,840)	($1,737,737)	($37,438)	($3,028,950)	$0	($3,028,950)
August 2016 - actual	(6,588,776)	($647,989)	($90,105)	($1,162,202)	($21,762)	($1,922,058)	$0	($1,922,058)
/3 September 2016 - forecast	(6,504,573)	($4,830)	$4,761	$83,877	$395	$84,203	$0	$84,203
/3 October 2016 - forecast	(6,734,558)	($107,158)	($7,034)	($112,301)	($3,492)	($229,985)	$0	($229,985)
/3 November 2016 - forecast	(6,068,313)	$224,014	$27,434	$404,763	$10,034	$666,245	$0	$666,245
/3 December 2016 - forecast	(5,718,990)	$176,769	$9,346	$158,553	$4,655	$349,323	$0	$349,323
/3 January 2017 - forecast	(5,570,376)	$119,723	($533)	$27,580	$1,844	$148,614	$0	$148,614
/3 February 2017 - forecast	(5,801,838)	($74,731)	($15,050)	($139,058)	($2,623)	($231,462)	$0	($231,462)
/3 March 2017 - forecast	(6,830,857)	($366,744)	($41,629)	($606,401)	($14,245)	($1,029,019)	$0	($1,029,019)
/3 April 2017 - forecast	(7,014,506)	($129,395)	($6,229)	($46,483)	($1,542)	($183,649)	$0	($183,649)
/3 May 2017 - forecast	(5,969,393)	$252,872	$51,369	$723,562	$17,310	$1,045,113	$0	$1,045,113
/3 June 2017 - forecast	(5,809,131)	$48,159	$8,814	$100,732	$2,557	$160,262	$0	$160,262

Line No.			Residential	Commercial	Industrial	Total
Distributed Energy Resource Program component of recovery: incremental costs						
37	Incurred S.C. DERP incremental expense	Input	$55,508	$24,371	$14,375	$94,254
38	Billed S.C. DERP incremental rates by account ($/account)	Input	0.35	0.70	62.56	
39	Billed S.C. DERP incremental revenue	Input	$50,347	$23,535	$17,892	$91,774
40	S.C. DERP incremental over/(under) recovery	L39 - L37	($5,161)	($836)	$3,517	($2,480)
41	Adjustment	Input	$0	$0	$0	$0
42	Total S.C. DERP incremental over/(under) recovery	L40+L41	($5,161)	($836)	$3,517	($2,480)

Year 2016-2017

Cumulative over / (under) recovery	Cumulative	Residential	Commercial	Industrial	Subtotal	Prior Period Adjustments	Total
Balance ending February 2016	(409,036)						
March 2016 - actual	(332,983)	$47,587	$24,676	$3,790	$76,053	$0	$76,053
/2 April 2016 - actual	(239,880)	$57,498	$29,093	$6,512	$93,103	$0	$93,103
May 2016 - actual	(230,645)	$8,264	$7,454	($6,483)	$9,235	$0	$9,235
June 2016 - actual	(363,127)	($75,641)	($29,326)	($27,515)	($132,482)	$0	($132,482)
July 2016 - actual	(227,737)	$76,605	$35,021	$23,764	$135,390	$0	$135,390
August 2016 - actual	(230,217)	($5,161)	($836)	$3,517	($2,480)	$0	($2,480)
/3 September 2016 - forecast	(231,032)	($1,112)	($266)	$563	($815)	$0	($815)
/3 October 2016 - forecast	(231,810)	($1,115)	($309)	$646	($778)	$0	($778)
/3 November 2016 - forecast	(232,627)	($1,107)	($323)	$613	($817)	$0	($817)
/3 December 2016 - forecast	(233,290)	($1,044)	($299)	$680	($663)	$0	($663)
/3 January 2017 - forecast	(233,388)	($729)	($118)	$749	($98)	$0	($98)
/3 February 2017 - forecast	(232,679)	($173)	$102	$780	$709	$0	$709
/3 March 2017 - forecast	(231,899)	($110)	$110	$780	$780	$0	$780
/3 April 2017 - forecast	(231,193)	($82)	$74	$714	$706	$0	$706
/3 May 2017 - forecast	(230,616)	($189)	$36	$730	$577	$0	$577
/3 June 2017 - forecast	(229,984)	($158)	$76	$714	$632	$0	$632

Notes:
Detail amounts may not recalculate due to percentages presented as rounded.
/1 Total residential billed fuel rate is a composite rate reflecting the approved residential rate of 2.246 and RECD 5% discount.
/2 Includes prior period adjustments.
/3 Forecast amounts based on low end of range of expected fuel rates.

Duke Energy Progress
Fuel and Fuel Related Cost Report
August 2016

Line No.	Description	Weatherspoon CT	Lee CC	Sutton CC/CT	Robinson Nuclear	Asheville Steam	Asheville CT	Roxboro Steam	Mayo Steam
	Cost of Fuel Purchased ($)								
1	Coal	-	-	-	-	$5,699,691	-	$30,761,441	$852,850
2	Oil	-	-	323,416	326	35,068	-	243,144	158,991
3	Gas - CC	-	17,671,998	13,310,584	-	-	-	-	-
4	Gas - CT	24	-	-	-	-	1,851,917	-	-
5	Total	$24	$17,671,998	$13,634,000	$326	$5,734,759	$1,851,917	$31,004,585	$1,011,841
	Average Cost of Fuel Purchased (¢/MBTU)								
6	Coal	-	-	-	-	280.17	-	299.09	283.73
7	Oil	-	-	1,125.20	-	1,155.07	-	1,006.52	1,007.36
8	Gas - CC	-	387.93	440.63	-	-	-	-	-
9	Gas - CT	-	-	-	-	-	341.31	-	-
10	Weighted Average	-	387.93	447.08	-	281.47	341.31	300.75	319.83
	Cost of Fuel Burned ($)								
11	Coal	-	-	-	-	$7,228,418	-	$41,470,325	$11,278,548
12	Oil - CC	-	-	-	-	-	-	-	-
13	Oil - Steam/CT	53,592	-	-	-	68,222	-	177,247	178,661
14	Gas - CC	-	17,671,998	13,310,584	-	-	-	-	-
15	Gas - CT	24	-	-	-	-	1,851,917	-	-
16	Nuclear	-	-	-	2,769,286	-	-	-	-
17	Total	$53,616	$17,671,998	$13,310,584	$2,769,286	$7,296,640	$1,851,917	$41,647,572	$11,457,210
	Average Cost of Fuel Burned (¢/MBTU)								
18	Coal	-	-	-	-	297.18	-	315.24	353.80
19	Oil - CC	-	-	-	-	-	-	-	-
20	Oil - Steam/CT	1,560.63	-	-	-	1,419.81	-	999.27	1,000.07
21	Gas - CC	-	387.93	440.63	-	-	-	-	-
22	Gas - CT	-	-	-	-	-	341.31	-	-
23	Nuclear	-	-	-	60.49	-	-	-	-
24	Weighted Average	1,561.32	387.93	440.63	60.49	299.39	341.31	316.16	357.40
	Average Cost of Generation (¢/kWh)								
25	Coal	-	-	-	-	4.26	-	3.18	3.57
26	Oil - CC	-	-	-	-	-	-	-	-
27	Oil - Steam/CT	65.36	-	-	-	20.36	-	10.01	10.10
28	Gas - CC	-	2.82	3.11	-	-	-	-	-
29	Gas - CT	-	-	-	-	-	3.81	-	-
30	Nuclear	-	-	-	0.67	-	-	-	-
31	Weighted Average	65.38	2.82	3.11	0.67	4.29	3.81	3.19	3.61
	Burned MBTU's								
32	Coal	-	-	-	-	2,432,352	-	13,155,223	3,187,862
33	Oil - CC	-	-	-	-	-	-	-	-
34	Oil - Steam/CT	3,434	-	-	-	4,805	-	17,738	17,865
35	Gas - CC	-	4,555,507	3,020,800	-	-	-	-	-
36	Gas - CT	-	-	-	-	-	542,584	-	-
37	Nuclear	-	-	-	4,578,010	-	-	-	-
38	Total	3,434	4,555,507	3,020,800	4,578,010	2,437,157	542,584	13,172,961	3,205,727
	Net Generation (mWh)								
39	Coal	-	-	-	-	169,758	-	1,304,706	315,694
40	Oil - CC	-	-	-	-	-	-	-	-
41	Oil - Steam/CT	82	-	(42)	-	335	-	1,771	1,769
42	Gas - CC	-	626,223	428,611	-	-	-	-	-
43	Gas - CT	-	-	-	-	-	48,599	-	-
44	Nuclear	-	-	-	415,119	-	-	-	-
45	Hydro (Total System)								
46	Solar (Total System)								
47	Total	82	626,223	428,569	415,119	170,093	48,599	1,306,477	317,463
	Cost of Reagents Consumed ($)								
48	Ammonia	-	-	-	-	-	-	$502,240	$69,625
49	Limestone	-	-	-	-	155,485	-	1,297,410	326,611
50	Sorbents	-	-	-	-	42,782	-	467,167	179,061
51	Urea	-	-	-	-	117,401	-	-	-
52	Total	-	-	-	-	315,668	-	2,266,817	575,297

Notes:

Detail amounts may not add to totals shown due to rounding.

Schedule excludes in-transit, terminal and tolling agreement activity.

Cents/MBTU and cents/kWh are not computed when costs and/or net generation is negative.

Fuel cost information on this report does not reflect intercompany sharing of fuel-related merger savings between Duke Energy Carolinas and Duke Energy Progress.

Lee and Wayne oil burn is associated with inventory consumption shown on Schedule 6 for Wayne.

Duke Energy Progress
Fuel and Fuel Related Cost Report
August 2016

Line No.	Description	Brunswick Nuclear	Blewett CT	Wayne County CT	Darlington CT	Smith Energy Complex CC/CT	Harris Nuclear	Current Month	Total 12 ME August 2016
	Cost of Fuel Purchased ($)								
1	Coal	-	-	-	-	-	-	$37,313,982	$371,319,927
2	Oil	-	-	-	-	-	-	760,945	17,734,034
3	Gas-CC	-	-	-	-	19,116,894	-	50,099,476	552,284,740
4	Gas-CT	-	-	466,597	1,888,636	10,247,494	-	14,454,668	140,245,693
5	Total	-	-	$466,597	$1,888,636	$29,364,387	-	$102,629,071	$1,081,584,394
	Average Cost of Fuel Purchased (¢/MBTU								
6	Coal	-	-	-	-	-	-	295.67	321.26
7	Oil	-	-	-	-	-	-	1,061.01	1,077.10
8	Gas-CC	-	-	-	-	347.57	-	383.13	392.87
9	Gas-CT	-	-	337.83	396.55	348.07	-	352.46	348.65
10	Weighted Average	-	-	337.83	396.55	347.75	-	343.59	362.91
	Cost of Fuel Burned ($)								
11	Coal	-	-	-	-	-	-	$59,977,291	$368,849,901
12	Oil-CC	-	-	-	-	-	-	-	498,264
13	Oil - Steam/CT	-	19,809	11,414	144	-	-	509,090	16,184,213
14	Gas- CC	-	-	-	-	19,116,894	-	50,099,476	552,284,740
15	Gas-CT	-	-	466,597	1,888,636	10,247,494	-	14,454,668	140,245,693
16	Nuclear	9,010,252	-	-	-	-	4,969,860	16,749,397	198,368,367
17	Total	$9,010,252	$19,809	$478,012	$1,888,781	$29,364,387	$4,969,860	$141,789,922	$1,276,431,178
	Average Cost of Fuel Burned (¢/MBTU)								
18	Coal	-	-	-	-	-	-	319.45	328.67
19	Oil-CC	-	-	-	-	-	-	-	2,096.75
20	Oil - Steam/CT	-	1,667.65	1,799.70	1,776.83	-	-	1,114.67	1,372.20
21	Gas-CC	-	-	-	-	347.57	-	383.13	392.87
22	Gas-CT	-	-	337.83	396.55	348.07	-	352.46	348.65
23	Nuclear	62.95	-	-	-	-	67.75	63.87	63.48
24	Weighted Average	62.95	1,667.65	344.51	396.57	347.75	67.75	227.87	210.39
	Average Cost of Generation (¢/kWh)								
25	Coal	-	-	-	-	-	-	3.35	3.52
26	Oil-CC	-	-	-	-	-	-	-	24.19
27	Oil - Steam/CT	-	396.19	20.34	-	-	-	13.56	18.25
28	Gas-CC	-	-	-	-	2.42	-	2.72	2.81
29	Gas-CT	-	-	3.94	5.92	3.97	-	4.13	3.86
30	Nuclear	0.65	-	-	-	-	0.71	0.67	0.66
31	Weighted Average	0.65	396.19	4.02	5.96	2.81	0.71	2.17	1.97
	Burned MBTU's								
32	Coal	-	-	-	-	-	-	18,775,437	112,225,400
33	Oil - CC	-	-	-	-	-	-	-	23,764
34	Oil - Steam/CT	-	1,188	634	8	-	-	45,672	1,179,440
35	Gas-CC	-	-	-	-	5,500,140	-	13,076,447	140,576,805
36	Gas-CT	-	-	138,115	476,272	2,944,068	-	4,101,039	40,224,883
37	Nuclear	14,312,593	-	-	-	-	7,335,131	26,225,734	312,465,609
38	Total	14,312,593	1,188	138,749	476,280	8,444,208	7,335,131	62,224,329	606,695,901
	Net Generation (mWh)								
39	Coal	-	-	-	-	-	-	1,790,158	10,479,375
40	Oil-CC	-	-	-	-	-	-	-	2,060
41	Oil - Steam/CT	-	5	56	(223)	-	-	3,753	88,670
42	Gas-CC	-	-	-	-	788,507	-	1,843,341	19,654,454
43	Gas-CT	-	-	11,847	31,908	257,858	-	350,212	3,632,877
44	Nuclear	1,377,432	-	-	-	-	696,569	2,489,120	30,126,769
45	Hydro (Total System)							32,479	643,464
46	Solar (Total System)							25,948	125,389
47	Total	1,377,432	5	11,903	31,685	1,046,365	696,569	6,535,011	64,753,057
	Cost of Reagents Consumed ($)								
48	Ammonia	-	-	-	-	$19,205	-	$591,070	$3,020,041
49	Limestone	-	-	-	-	-	-	1,779,506	9,167,877
50	Sorbents	-	-	-	-	-	-	689,010	3,486,344
51	Urea	-	-	-	-	-	-	117,401	1,012,688
52	Total	-	-	-	-	19,205	-	3,176,987	16,686,950

Duke Energy Progress
Fuel & Fuel-related Consumption and Inventory Report
August 2016

Line No.	Description	Weatherspoon	Lee	Sutton	Robinson	Asheville
	Coal Data:					
1	Beginning balance	-	-	-	-	79,045
2	Tons received during period	-	-	-	-	80,665
3	Inventory adjustments	-	-	-	-	-
4	Tons burned during period	-	-	-	-	96,891
5	Ending balance	-	-	-	-	62,819
6	MBTUs per ton burned	-	-	-	-	25.10
7	Cost of ending inventory ($/ton)	-	-	-	-	74.60
	Oil Data:					
8	Beginning balance	670,747	-	2,716,844	72,620	3,113,955
9	Gallons received during period	-	-	208,280	-	22,000
10	Miscellaneous use and adjustments	(134)	-	-	(6,910)	(5,797)
11	Gallons burned during period	24,533	-	-	-	34,955
12	Ending balance	646,080	-	2,925,124	65,710	3,095,203
13	Cost of ending inventory ($/gal)	2.18	-	2.91	2.70	1.95
	Gas Data:					
14	Beginning balance	-	-	-	-	-
15	MCF received during period	-	4,385,223	2,931,439	-	528,943
16	MCF burned during period	-	4,385,223	2,931,439	-	528,943
17	Ending balance	-	-	-	-	-
	Limestone/Lime Data:					
18	Beginning balance	-	-	-	-	18,970
19	Tons received during period	-	-	-	-	2,670
20	Inventory adjustments	-	-	-	-	-
21	Tons consumed during period	-	-	-	-	4,115
22	Ending balance	-	-	-	-	17,525
23	Cost of ending inventory ($/ton)	-	-	-	-	36.26

Notes:
Detail amounts may not add to totals shown due to rounding.
Schedule excludes in-transit, terminal and tolling agreement activity.
Gas is burned as received; therefore, inventory balances are not maintained.
The oil inventory data for Wayne reflects the common usage of the oil tank used for both Wayne and Lee units.

Line No.	Description	Roxboro	Mayo	Brunswick	Blewett	Wayne County
	Coal Data:					
1	Beginning balance	847,887	514,961	-	-	-
2	Tons received during period	404,257	11,614	-	-	-
3	Inventory adjustments	-	-	-	-	-
4	Tons burned during period	512,006	135,723	-	-	-
5	Ending balance	740,138	390,852	-	-	-
6	MBTUs per ton burned	25.69	23.49	-	-	-
7	Cost of ending inventory ($/ton)	80.99	83.10	-	-	-
	Oil Data:					
8	Beginning balance	442,736	288,127	175,858	818,794	11,867,013
9	Gallons received during period	175,049	114,372	-	-	-
10	Miscellaneous use and adjustments	(15,235)	(8,149)	-	-	-
11	Gallons burned during period	128,771	129,437	7,029	8,455	4,604
12	Ending balance	473,779	264,913	168,829	810,339	11,862,409
13	Cost of ending inventory ($/gal)	1.38	1.38	2.95	2.34	2.48
	Gas Data:					
14	Beginning balance	-	-	-	-	-
15	MCF received during period	-	-	-	-	132,754
16	MCF burned during period	-	-	-	-	132,754
17	Ending balance	-	-	-	-	-
	Limestone/Lime Data:					
18	Beginning balance	75,194	16,859	-	-	-
19	Tons received during period	19,827	10,569	-	-	-
20	Inventory adjustments	-	-	-	-	-
21	Tons consumed during period	36,934	9,179	-	-	-
22	Ending balance	58,087	18,249	-	-	-
23	Cost of ending inventory ($/ton)	31.92	30.70	-	-	-

Duke Energy Progress
Fuel & Fuel-related Consumption and Inventory Report
August 2016

Line No.	Description	Darlington	Smith Energy Complex	Harris	Current Month	Total 12 ME August 2016
	Coal Data:					
1	Beginning balance	-	-	-	1,441,893	1,145,016
2	Tons received during period	-	-	-	496,536	4,630,533
3	Inventory adjustments	-	-	-	-	(95,406)
4	Tons burned during period	-	-	-	744,620	4,486,334
5	Ending balance	-	-	-	1,193,809	1,193,809
6	MBTUs per ton burned	-	-	-	25.21	25.01
7	Cost of ending inventory ($/ton)	-	-	-	81.34	81.34
	Oil Data:					
8	Beginning balance	10,155,770	7,866,300	289,891	38,478,655	35,791,040
9	Gallons received during period	-	-	-	519,701	11,930,891
10	Miscellaneous use and adjustments	-	-	-	(36,225)	(314,190)
11	Gallons burned during period	59	-	-	337,843	8,783,453
12	Ending balance	10,155,711	7,866,300	289,891	38,624,288	38,624,288
13	Cost of ending inventory ($/gal)	2.44	2.35	2.95	2.41	2.41
	Gas Data:					
14	Beginning balance	-	-	-	-	-
15	MCF received during period	461,834	8,193,828	-	16,634,021	174,779,855
16	MCF burned during period	461,834	8,193,828	-	16,634,021	174,779,855
17	Ending balance	-	-	-	-	-
	Limestone/Lime Data:					
18	Beginning balance	-	-	-	111,023	73,795
19	Tons received during period	-	-	-	33,066	274,594
20	Inventory adjustments	-	-	-	-	11,405
21	Tons consumed during period	-	-	-	50,228	265,933
22	Ending balance	-	-	-	93,861	93,861
23	Cost of ending inventory ($/ton)	-	-	-	32.49	32.49

Schedule 7

DUKE ENERGY PROGRESS

ANALYSIS OF COAL PURCHASED

AUGUST 2016

STATION	TYPE	QUANTITY OF TONS DELIVERED	DELIVERED COST	DELIVERED COST PER TON
ASHEVILLE	SPOT	-	$ -	-
	CONTRACT	80,665	5,674,768	70.35
	ADJUSTMENTS	-	24,923	-
	TOTAL	80,665	5,699,691	70.66
MAYO	SPOT	-	-	-
	CONTRACT	11,614	836,623	72.04
	ADJUSTMENTS	-	16,227	-
	TOTAL	11,614	852,850	73.44
ROXBORO	SPOT	-	-	-
	CONTRACT	404,257	30,619,978	75.74
	ADJUSTMENTS	-	141,463	-
	TOTAL	404,257	30,761,441	76.09
ALL PLANTS	SPOT	-	-	-
	CONTRACT	496,536	37,131,368	74.78
	ADJUSTMENTS	-	182,614	-
	TOTAL	496,536	$ 37,313,982	$ 75.15

Schedule 8

DUKE ENERGY PROGRESS

ANALYSIS OF COAL QUALITY RECEIVED

AUGUST 2016

STATION	PERCENT MOISTURE	PERCENT ASH	HEAT VALUE	PERCENT SULFUR
ASHEVILLE	6.08	9.82	12,610	1.88
MAYO	5.82	7.86	12,941	2.71
ROXBORO	6.35	8.56	12,721	2.31

DUKE ENERGY PROGRESS

ANALYSIS OF OIL PURCHASED

AUGUST 2016

	ASHEVILLE	MAYO	ROXBORO	SUTTON CC
VENDOR	Indigo	Greensboro Tank Farm	Greensboro Tank Farm	Petroleum Traders
SPOT/CONTRACT	Contract	Contract	Contract	Contract
SULFUR CONTENT %	0	0	0	0
GALLONS RECEIVED	22,000	114,372	175,049	208,280
TOTAL DELIVERED COST	$ 35,068	$ 158,991	$ 243,144	$ 323,416
DELIVERED COST/GALLON	$ 1.59	$ 1.39	$ 1.39	$ 1.55
BTU/GALLON	138,000	138,000	138,000	138,000

Note:
Motor fuel taxes and detentions of $326 for the Robinson station are excluded.

Duke Energy Progress
Power Plant Performance Data
Twelve Month Summary
September, 2015 - August, 2016
Nuclear Units

Unit Name	Net Generation (mWh)	Capacity Rating (mW)	Capacity Factor (%)	Equivalent Availability (%)
Brunswick 1	7,248,459	938	87.97	87.78
Brunswick 2	8,130,006	932	99.31	99.48
Harris 1	8,346,254	928	102.39	99.82
Robinson 2	6,402,050	741	98.36	94.45

Duke Energy Progress
Power Plant Performance Data
Twelve Month Summary
September, 2015 through August, 2016
Combined Cycle Units

Unit Name		Net Generation (mWh)	Capacity Rating (mW)	Capacity Factor (%)	Equivalent Availability (%)
Lee Energy Complex	1A	1,334,258	196	77.46	92.10
Lee Energy Complex	1B	1,359,196	195	79.31	93.02
Lee Energy Complex	1C	1,387,581	197	80.08	95.87
Lee Energy Complex	ST1	2,538,371	378	76.36	83.63
Lee Energy Complex	Block Total	6,619,406	967	77.94	89.81
Richmond County CC	7	1,243,831	172	82.31	91.69
Richmond County CC	8	1,235,150	170	82.57	92.13
Richmond County CC	ST4	1,403,413	169	94.45	91.92
Richmond County CC	9	1,419,658	193	83.76	93.65
Richmond County CC	10	1,422,136	193	83.91	93.32
Richmond County CC	ST5	1,859,559	248	85.25	89.19
Richmond County CC	Block Total	8,583,747	1,146	85.29	91.98
Sutton Energy Complex	1A	1,341,948	198	77.12	93.11
Sutton Energy Complex	1B	1,412,189	198	81.15	93.79
Sutton Energy Complex	ST1	1,699,223	265	72.93	92.41
Sutton Energy Complex	Block Total	4,453,360	662	76.65	92.93

Units in commercial operation for the full month are presented.
Pre-commercial or partial month commercial operations are not included.

Duke Energy Progress
Power Plant Performance Data
Twelve Month Summary
September, 2015 through August, 2016

Intermediate Steam Units

Unit Name	Net Generation (mWh)	Capacity Rating (mW)	Capacity Factor (%)	Equivalent Availability (%)
Mayo 1	1,894,402	735	29.35	85.85
Roxboro 3	1,640,431	694	26.91	71.61
Roxboro 4	1,687,919	703	27.32	88.09

Units in commercial operation for the full month are presented.
Pre-commercial or partial month commercial operations are not included.

Duke Energy Progress
Power Plant Performance Data
Twelve Month Summary
September, 2015 through August, 2016

Baseload Steam Units

Unit Name	Net Generation (mWh)	Capacity Rating (mW)	Capacity Factor (%)	Equivalent Availability (%)
Roxboro 2	2,846,972	672	48.24	88.51

Units in commercial operation for the full month are presented.
Pre-commercial or partial month commercial operations are not included.

Duke Energy Progress
Power Plant Performance Data
Twelve Month Summary
September, 2015 through August, 2016
Other Cycling Steam Units

Unit Name	Net Generation (mWh)	Capacity Rating (mW)	Capacity Factor (%)	Operating Availability (%)
Asheville 1	631,654	191	37.73	76.80
Asheville 2	672,477	189	40.56	94.08
Roxboro 1	1,164,459	379	34.94	98.39

Units in commercial operation for the full month are presented.
Pre-commercial or partial month commercial operations are not included.

Duke Energy Progress
Power Plant Performance Data
Twelve Month Summary
September, 2015 through August, 2016
Combustion Turbine Stations

Station Name	Net Generation (mWh)	Capacity Rating (mW)	Operating Availability (%)
Asheville CT	158,733	343	92.87
Blewett CT	-84	59	97.63
Darlington CT	96,054	808	93.05
Richmond County CT	3,062,955	838	86.94
Sutton CT	-549	67	94.21
Wayne County CT	345,227	903	90.97
Weatherspoon CT	272	143	96.34

Units in commercial operation for the full month are presented.
Pre-commercial or partial month commercial operations are not included.

Duke Energy Progress
Power Plant Performance Data
Twelve Month Summary
September, 2015 through August, 2016
Hydroelectric Stations

Station Name	Net Generation (mWh)	Capacity Rating (mW)	Operating Availability (%)
Blewett	95,874	27.0	75.93
Marshall	9,674	4.0	49.81
Tillery	216,207	84.0	98.26
Walters	321,709	113.0	78.04

Duke Energy Progress
Merger-Related Fuel Savings
Month Ending: **August 2016**
Dollars reported in ($)

Schedule 11

		Gross Savings			Allocated Savings		DE Progress
		DE Carolinas	DE Progress	Combined	DE Carolinas	DE Progress	SC Retail portion
1	Joint Dispatch	$ 2,049,443	$ 883,062	$ 2,932,505	$ 1,794,420	$ 1,138,085	$ 117,976
2	Coal Blending	1,269,748	-	1,269,748	782,433	487,315	50,516
3	Coal Procurement	1,465,421	1,885,922	3,351,343	2,064,001	1,287,342	133,448
4	Coal Transportation	1,745,744	2,184,740	3,930,484	2,420,052	1,510,432	156,574
5	Reagent Procurement & Transportation	224,676	171,680	396,356	243,091	153,265	15,888
6	By-products	131,250	205,653	336,903	207,117	129,786	13,454
7	Natural Gas Capacity	178,612	-	178,612	109,361	69,251	7,179
8	Natural Gas Trading	35,954	-	35,954	22,048	13,906	1,442
9	Nuclear Fuel	-	-	-	-	-	-
10	Other Fuel-related	-	-	-	-	-	-
		$ 7,100,848	**$ 5,331,057**	**$ 12,431,905**	**$ 7,642,523**	**$ 4,789,382**	**$ 496,477**
	Resource ratio %	61.19%	38.81%	100.00%			
	Allocation %						10.37%

Twelve Months Ending: **August 2016**

		Gross Savings			Allocated Savings		DE Progress
		DE Carolinas	DE Progress	Combined	DE Carolinas	DE Progress	SC Retail portion
1	Joint Dispatch	$ 34,465,542	$ 5,865,592	$ 40,331,134	$ 23,883,990	$ 16,447,144	$ 1,725,709
2	Coal Blending	27,311,042	-	27,311,042	16,325,018	10,986,024	1,158,048
3	Coal Procurement	19,117,664	19,497,923	38,615,587	23,265,571	15,350,016	1,636,669
4	Coal Transportation	15,948,550	14,458,115	30,406,665	18,244,922	12,161,743	1,251,947
5	Reagent Procurement & Transportation	2,797,571	986,338	3,783,909	2,277,226	1,506,683	160,468
6	By-products	1,558,336	1,411,855	2,970,191	1,779,160	1,191,031	124,056
7	Natural Gas Capacity	22,794,363	-	22,794,363	13,602,390	9,191,973	957,690
8	Natural Gas Trading	431,448	-	431,448	257,684	173,764	18,155
9	Nuclear Fuel	9,800	-	9,800	5,983	3,817	358
10	Other Fuel-related	-	-	-	-	-	-
		$ 124,434,316	**$ 42,219,823**	**$ 166,654,139**	**$ 99,641,944**	**$ 67,012,195**	**$ 7,033,100**

Total-to-date: **August 2016**

		Target	Gross Savings			Allocated Savings		DE Progress
			DE Carolinas	DE Progress	Combined	DE Carolinas	DE Progress	SC Retail portion
1	Joint Dispatch	$ 318,955,000	$ 127,324,982	$ 81,668,299	$ 208,993,281	$ 126,958,445	$ 82,034,836	$ 8,996,994
2	Coal Blending	259,800,000	168,263,769	-	168,263,769	102,446,127	65,817,642	7,283,612
3	Coal Procurement	45,950,000	60,594,854	61,190,753	121,785,607	74,034,139	47,751,468	5,289,101
4	Coal Transportation	30,395,000	50,743,503	45,044,167	95,787,670	58,181,974	37,605,696	4,137,602
5	Reagent Procurement & Transportation	12,800,000	10,164,518	5,088,595	15,253,113	9,275,836	5,977,277	657,575
6	By-products		4,391,515	5,696,731	10,088,246	6,115,487	3,972,759	436,452
7	Natural Gas Capacity	16,900,000	74,203,738	-	74,203,738	44,452,459	29,751,279	3,213,697
8	Natural Gas Trading	2,000,000	1,797,700	-	1,797,700	1,094,205	703,495	77,354
9	Nuclear Fuel		62,300	7,397,198	7,459,498	4,636,765	2,822,733	317,694
10	Other Fuel-related		6,662,997	-	6,662,997	4,179,784	2,483,213	296,963
		$ 686,800,000	**$ 504,209,876**	**$ 206,085,743**	**$ 710,295,619**	**$ 431,375,221**	**$ 278,920,398**	**$ 30,707,045**